

**2003**  
**Virginia Department of Transportation**  
**Daily Traffic Volume Estimates**  
**Including Vehicle Classification Estimates**  
where available

**Special Locality Report**  
**139**  
Town of Wytheville

Prepared By  
**Virginia Department of Transportation**  
**Mobility Management Division**

In Cooperation With  
**U.S. Department of Transportation**  
**Federal Highway Administration**

Virginia Department of Transportation  
Mobility Management Division  
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

## **Publication Notes**

### **Parallel Roads**

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

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VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

## Glossary of Terms:

**Route:** The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

**Length:** Length of the traffic segment in miles.

**AADT:** Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

### QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

**4Tire:** Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

**Bus:** Percentage of the traffic volume made up of busses.

**2Axle Truck:** Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

**3+Axle Truck:** Percentage of the traffic volume made up of single unit trucks with three or more axles.

**1Trail Truck:** Percentage of the traffic volume made up of units with a single trailer.

**2Trail Truck:** Percentage of the traffic volume made up of units with more than one trailer.

### QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

**K Factor:** The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

**QK:** Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

**Dir Factor:** The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

**AAWDT:** Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

**QW:** Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

**Year:** Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

## Route Shield Legend

### Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	


















### Special Routes

Bus 	Bus - Business Route
	Bypas - Bypass Route
	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

Virginia Department of Transportation  
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2003  
Annual Average Daily Traffic Volume Estimates By Section of Route  
Town of Wytheville

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
2Axle 3+Axle 1Trail 2Trail																
Town of Wytheville																
11	W Lee Hwy	0.29	4500	F	From	WCL Wytheville				C	0.099	F	0.639	4900	F	2003
					To	24th St										
11	12th Street	2.03	6500	F	From	97% 1% 1% 1% 1% 0%				F	0.092	F	0.607	7100	F	2003
					To	US 21 Main St										
11	Main St	0.31	7000	F	From	97% 1% 1% 1% 1% 0%				F	0.084	F	0.577	7700	F	2003
					To	12th St										
11	Main St	0.33	8800	F	From	97% 1% 1% 1% 1% 0%				F	0.080	F	0.54	9600	F	2003
					To	4th St										
11	Main St	0.20	9000	F	From	97% 1% 1% 1% 1% 0%				F	0.083	F	0.525	9900	F	2003
					To	5th St										
11	E Main St	0.50	13000	F	From	98% 0% 1% 0% 1% 0%				C	0.083	F	0.554	14000	F	2003
					To	11th St										
11		0.78	8900	F	From	98% 0% 1% 0% 1% 0%				F	0.086	F	0.513	9700	F	2003
					To	Liberty St										
11		0.08	8900	N	From	98% 0% 1% 0% 1% 0%				N	0.086	N	0.513	9700	N	2003
					To	139-3 Lithia Rd										
11 81	Combined Traffic:	0.96	52000	F	From	I-81				C	0	A	0.501	50000	F	
					To	See I-81 for directional traffic volume estimates for this segment.										
21	Grayson Street	0.93	4700	F	From	NCL Wytheville				C	0.088	F	0.646	5100	F	2003
					To	SCL Wytheville										
21	Main Sreet	0.49	6900	F	From	Main Street				F	0.087	F	0.643	7500	F	2003
					To	Grayson St										
21 11	Main St	0.31	7000	F	From	96% 0% 1% 1% 1% 0%				F	0.084	F	0.577	7700	F	2003
					To	US 11; 12th St										
21	4th Street	0.06	7900	F	From	US 11 12TH ST				F	0.086	F	0.546	8700	F	2003
					To	MAIN ST										
21	4th Street	0.47	14000	F	From	MAIN Street				F	0.082	F	0.536	15000	F	2003
					To	Monroe Street										
21	4th Street	0.40	11000	F	From	98% 0% 1% 0% 1% 0%				C	0.088	F	0.645	12000	F	2003
					To	W Ridge Rd										
21	4th Street	0.12	13000	F	From	98% 0% 1% 0% 1% 0%				F	0.087	F	0.549	15000	F	2003
					To	Tazewell St										
52 81	Combined Traffic:	0.93	52000	F	From	I-81; US 52				C	NA			50000	F	
					To	NCL Wytheville										
52 81	Combined Traffic:	1.29	49000	F	From	US 11				F	NA			45000	F	
					To	See I-81 for directional traffic volume estimates for this segment.										
52 81	Combined Traffic:	1.99	29000	F	From	I-77 Wytheville				F	NA			29000	F	
					To	See I-81 for directional traffic volume estimates for this segment.										
52		1.92	2500	F	From	HOLSTON I-81 SB RAMP				C	0.09	F	0.568	2800	F	2003
					To	I-81										
North South 77 81	Combined Traffic:	0.93	25000	B	From	WCL Wytheville				C	0.119	A		23000	B	2003
					To	NCL Wytheville										
	Combined Traffic:		52000	F	From	71% 1% 2% 0% 24% 2%				C	NA			50000	F	
					To	72% 1% 1% 0% 24% 2%										
					From	US 11				C						
					To											

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Route		Length	AADT	QA	4Tire	Bus	Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
							2Axle	3+Axle	1Trail	2Trail							
Town of Wytheville																	
North 	South 				From	US 11											
		1.29	25000	F	71%	1%	2%	0%	24%	2%	F	0.076	F		23000	F	2003
Combined Traffic:			49000	F	72%	1%	1%	0%	24%	2%	F	NA			45000	F	
					To	I-81 Wytheville											
North 					From	I-81 S											
		0.59	16000	F	78%	1%	1%	0%	19%	1%	F	0.078	F		14000	F	2003
Combined Traffic:			29000	F	78%	1%	1%	0%	19%	1%	F	NA			25000	F	
					To	Peppers Ferry Rd											
North 					From												
		0.23	14000	F	78%	1%	1%	0%	19%	1%	F	0.079	F		12000	F	2003
Combined Traffic:			27000	F	78%	1%	1%	0%	19%	1%	F	NA			24000	F	
					To	NCL Wytheville											
South 	North 				From	NCL Wytheville											
		0.96	26000	F	73%	1%	1%	0%	24%	1%	C	0.127	B		26000	F	2003
Combined Traffic:			52000	F	72%	1%	1%	0%	24%	2%	C	0	A	0.501	50000	F	
					To	US 11											
South 	North 				From												
		0.82	24000	F	73%	1%	1%	0%	24%	1%	F	0.07	F		23000	F	2003
Combined Traffic:			49000	F	72%	1%	1%	0%	24%	2%	F	NA			45000	F	
					To	I-81 Wytheville											
South 					From	I-81 N											
		1.15	14000	F	77%	1%	1%	0%	19%	1%	F	0.07	F		12000	F	2003
Combined Traffic:			29000	F	78%	1%	1%	0%	19%	1%	F	NA			25000	F	
					To	NCL Wytheville											
North 					From	SCL Wytheville											
		2.03	13000	F	76%	1%	1%	1%	21%	1%	F	0.07	F		13000	F	2003
Combined Traffic:			25000	F	77%	1%	1%	1%	20%	1%	F	NA			26000	F	
					To	US 21; US 52											
North 					From												
		2.27	14000	F	76%	1%	1%	1%	21%	1%	F	0.077	F		15000	F	2003
Combined Traffic:			29000	F	77%	1%	1%	1%	19%	1%	F	NA			29000	F	
					To	I-77 Wytheville											
North 					From												
		0.82	24000	F	73%	1%	1%	0%	24%	1%	F	0.07	F		23000	F	2003
Combined Traffic:			49000	F	72%	1%	1%	0%	24%	2%	F	NA			45000	F	
					To	US 11											
North 					From												
		0.96	26000	F	73%	1%	1%	0%	24%	1%	C	0.127	B		26000	F	2003
Combined Traffic:			52000	F	72%	1%	1%	0%	24%	2%	C	0	A	0.501	50000	F	
					To	NCL Wytheville											
South 					From	SCL Wytheville											
		2.71	12000	F	78%	1%	1%	1%	18%	1%	F	0.071	F		12000	F	2003
Combined Traffic:			25000	F	77%	1%	1%	1%	20%	1%	F	NA			26000	F	
					To	US 21; US 52											
South 					From												
		1.99	15000	F	78%	1%	1%	1%	18%	1%	F	0.071	F		15000	F	2003
Combined Traffic:			29000	F	77%	1%	1%	1%	19%	1%	F	NA			29000	F	
					To	I-77 Wytheville											
South 					From												
		1.29	25000	F	71%	1%	2%	0%	24%	2%	F	0.076	F		23000	F	2003
Combined Traffic:			49000	F	72%	1%	1%	0%	24%	2%	F	NA			45000	F	
					To	US 11											
South 					From												
		0.93	25000	B	71%	1%	2%	0%	24%	2%	C	0.119	A		23000	B	2003
Combined Traffic:			52000	F	72%	1%	1%	0%	24%	2%	C	NA			50000	F	
					To	NCL Wytheville											
					From	US 52											
1	Fairview Rd	1.19	1800	F	98%	0%	1%	0%	0%	0%	F	0.098	F	0.608	2000	F	2003
					To	NCL Wytheville											



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Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Wytheville																
(2)	Holston Rd	1.24	2100	F	From:	US 52 4Th St				F	0.089	F	0.559	2300	F	2003
					To:	Cove Rd										
(3)	Lithia Rd	0.48	1600	F	From:	US 11 Main St				F	0.112	F	0.617	1700	F	2003
					To:	Nye Rd										
(4)	Nye Rd	1.25	1300	F	From:	.25 Mi. S Peppers Ferry Rd				F	0.09	F	0.654	1400	F	2003
					To:	Peppers Ferry Rd										
(5250)	Old Stage Rd	1.63	1300	F	From:	WCL Wytheville				F	0.099	F	0.645	1400	F	2003
					To:	US 21 Grayson St										
(5252)	W Ridge Rd	0.14	790	F	From:	Petunia Rd				F	0.103	F	0.652	870	F	2003
					To:	Old WCL Wytheville										
(5252)	W Ridge St	1.55	1100	F	From:	98% 0% 1% 0% 0% 0%				C	0.091	F	0.529	1200	F	2003
					To:	18Th St										
(5252)	W Ridge Rd	0.49	3800	F	From:	98% 0% 1% 0% 0% 0%				F	0.093	F	0.526	4200	F	2003
					To:	US 21 4Th St										
(5253)	Withers Rd	0.25	2800	F	From:	US 11 Main St				F	0.107	F	0.563	3100	F	2003
					To:	11th St										
(5253)	11th Street	0.31	2300	F	From:	Withers St				C	0.105	F	0.516	2600	F	2003
					To:	US 11 Main St										
(5253)	11th Street	0.06	7700	F	From:	97% 1% 1% 1% 1% 0%				F	0.091	F	0.501	8400	F	2003
					To:	Monroe St										
(5253)	11th-North Street	0.13	2200	F	From:	97% 1% 1% 1% 1% 0%				F	0.108	F	0.525	2400	F	2003
					To:	Fisher Rd										
(5253)	Fisher Rd	0.14	1500	F	From:	North St				F	0.096	F	0.621	1600	F	2003
					To:	Pine St										
(5255)	Cove Rd	0.52	2100	F	From:	Peppers Ferry Rd				C	0.099	F	0.578	2200	F	2003
					To:	Holston Rd										
(5255)	Cove Rd	0.32	1100	F	From:	97% 0% 2% 1% 1% 0%				F	0.085	F	0.616	1200	F	2003
					To:	Wytheview Dr										
(5255)	Cove Rd	0.29	730	F	From:	97% 0% 2% 1% 1% 0%				F	0.091	F	0.663	800	F	2003
					To:	NCL Wytheville										
(5256)	Spring St	0.30	2000	F	From:	12Th St				F	0.124	F	0.683	2200	F	2003
					To:	4Th St										
(5256)	Spring St	0.54	2300	F	From:	97% 0% 2% 1% 1% 0%				F	0.107	F	0.654	2500	F	2003
					To:	11Th St										
(5257)	Tazewell St	0.06	1400	F	From:	Main St				F	0.108	F	0.553	1600	F	2003
					To:	Monroe St										
(5258)	Monroe St	0.31	3300	F	From:	12Th St US 11				F	0.106	F	0.533	3600	F	2003
					To:	4Th St US 21										
(5258)	Monroe St	0.19	5800	F	From:	US 21 4Th St				F	0.094	F	0.546	6300	F	2003
					To:	1St Street										
(5258)	Monroe St	0.15	5200	F	From:	N 1St Street				F	0.090	F	0.533	5700	F	2003
					To:	N 5Th St										

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						2Axle	3+Axle	1Trail	2Trail								
Town of Wytheville																	
(5258) Monroe St	0.19	5100	F	From: 5Th St	98%	0%	1%	0%	1%	0%	F	0.089	F	0.527	5600	F	2003
(5258) Peppers Ferry Rd	0.46	6200	F	To: 11Th St	98%	0%	1%	0%	1%	0%	C	0.090	F	0.523	6700	F	2003
(5258) Peppers Ferry Rd	0.67	5000	F	From: Cove Rd	98%	0%	1%	0%	1%	0%	F	0.089	F	0.556	5500	F	2003
(5258) Peppers Ferry Rd	0.19	1800	F	To: Ramp to I-77	98%	0%	1%	0%	1%	0%	F	0.085	F	0.539	1900	F	2003
(5258) Pepers Ferry Rd	0.47	7200	F	To: ECL Wytheville	98%	0%	1%	0%	1%	0%	F	0.078	F	0.517	7900	F	2003
				From: JB-139 ECL Wytheville													
				To: 98-610 JB-139 ECL Wytheville													
(5260) 12th Street	0.29	2200	F	From: Main St US 11	97%	0%	1%	1%	1%	0%	F	0.11	F	0.560	2400	F	2003
(5260) Union St	0.30	2100	F	To: Union St	97%	0%	1%	1%	1%	0%	F	0.105	F	0.563	2300	F	2003
(5260) Withers St	0.56	2900	F	From: 12Th St	97%	0%	1%	1%	1%	0%	C	0.09	F	0.577	3200	F	2003
				To: 4Th St													
(5261) 4th Street	0.31	2400	F	From: 97%	0%	1%	2%	2%	2%	0%	F	0.111	F	0.612	2600	F	2003
(5261) 4th Street	0.30	2500	F	To: Withers St	95%	0%	1%	2%	2%	0%	F	0.090	F	0.512	2700	F	2003
				To: US 11 Main St													
(5262) Marshall St	0.91	1700	F	From: 4Th St	95%	0%	1%	2%	2%	0%	C	0.097	F	0.564	1900	F	2003
				To: Main St US 11													
(5264) Pine St	0.38	3100	F	From: US 11 Lee Hwy	99%	0%	0%	0%	0%	0%	C	0.092	F	0.563	3300	F	2003
(5264) Pine St	0.44	430	F	To: US 21 4Th St	99%	0%	0%	0%	0%	0%	F	0.120	F	0.553	470	F	2003
				To: Fisher Rd													
10th Street		NA		From: Franklin Street							NA			NA			
				To: Washington Street													
16th Street		110	F	From: Spring St							0.12	F		120	F	2003	
				To: Franklin St													
3rd Street		NA		From: Ridge Street							NA			NA			
				To: Reservoir Street													
Church St		730	F	From: Washington St							0.114	F		790	F	2003	
				To: Withers St													
Mountain View Dr		660	F	From: 11Th St							0.098	F		720	F	2003	
				To: 13Th St													
Spiller St		160	F	From: 5Th St							0.173	F		180	F	2003	
				To: 3Rd St													